



**UNITED STATES DEPARTMENT OF COMMERCE
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
09/252,997	02/19/99	FARMWALD	P043D2C-2C

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MM41/0527

EXAMINER NGUYEN, T

#5

ART UNIT 2818	PAPER NUMBER
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DATE MAILED: 05/27/99

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Office Action Summary

Application No.

09/252,997

Applicant(s)

FARMWARD et al.

Examiner

TAN T. NGUYEN

Group Art Unit

2818

—The MAILING DATE of this communication appears on the cover sheet beneath the correspondence address—

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE -3 - MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, such period shall, by default, expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).

Status

- ☒ Responsive to communication(s) filed on 02/19/99
- ☐ This action is **FINAL**.
- ☐ Since this application is in condition for allowance except for formal matters, **prosecution as to the merits is closed** in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 1 1; 453 O.G. 213.

Disposition of Claims

- ☒ Claim(s) 151-188 is/are pending in the application.
Of the above claim(s) 1-150 is/are withdrawn from consideration.
- ☒ Claim(s) 184-188 is/are allowed.
- ☒ Claim(s) 151-157, 161-163, 165, 168-173, 177-179, 181 is/are rejected.
- ☒ Claim(s) 158-160, 164, 166-167, 174-176, 180, 182-183 is/are objected to.
- ☐ Claim(s) _____ are subject to restriction or election requirement.

Application Papers

- ☐ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.
- ☒ The proposed drawing correction, filed on 02/19/99 is ☐ approved ☐ disapproved.
- ☐ The drawing(s) filed on _____ is/are objected to by the Examiner.
- ☐ The specification is objected to by the Examiner.
- ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119 (a)-(d)

- ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).
 - ☐ All ☐ Some* ☐ None of the CERTIFIED copies of the priority documents have been received.
 - ☐ received in Application No. (Series Code/Serial Number) _____
 - ☐ received in this national stage application from the International Bureau (PCT Rule 1 7.2(a)).

*Certified copies not received: _____

Attachment(s)

- ☒ Information Disclosure Statement(s), PTO-1449, Paper No(s). _____ ☐ Interview Summary, PTO-413
- ☒ Notice of Reference(s) Cited, PTO-892 ☐ Notice of Informal Patent Application, PTO-152
- ☐ Notice of Draftsperson's Patent Drawing Review, PTO-948 ☐ Other _____

Office Action Summary

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1. The Preliminary Amendment filed by Applicants on February 19, 199 have been received.
2. The Information Disclosure Statement submitted by Applicants on March 22, 1999 have been received and fully considered.

3. Claims 1-150 have been canceled.

New claims 151-188 have been added.

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

5. Claims 151-157, 161-163, 165, 168-173, 177-179, 181 are rejected under 35

U.S.C. 102(b) as being anticipated by Jackson (U.S. Patent No. 4,315,308).

Jackson discloses in figure 1 a microprocessor chip [200] is attached to bus interface unit [201] which provides for interface control of data transfers between the processor [200] and other units such as memories, I/O devices, or other processors in the system (column 4, lines 17-21).

Jackson teaches that timing synchronization between the units shown in Figure 1 is provided by a clock signal [CLKA] which is connected to each of the units. A read or write operation takes place over several cycles (column 5, lines 36-39). The processor [200] may issue requests for one, two, four, six, eight, ten, sixteen or twenty bytes of data to be transferred. This length information is part of a control field which was transmitted during the first cycle of the transaction (column 6, lines 4-8).

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Jackson show in figure 3 a table setting forth the control specifications for the address, control, and data bytes which use binary representation.

6. Claims 158-160, 164, 166-167, 174-176, 182-183 objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Harada et al. is cited to show a PC card system having a register which store the sector specification value, the address data and so on (column 7, lines 25-29).

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tan T. Nguyen whose telephone number is (703) 308-1298. The examiner can normally be reached on Monday to Friday from 08:00 AM to 04:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. David C. Nelms, can be reached on (703) 308-4910. The fax phone number for the organization where this application or proceeding is assigned is (703) 308-7724.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.



Tan T. Nguyen
Primary Examiner
Art Unit 2818
May 21, 1999

T.N
05/21/99